# ATTACHMENT B SUMMARY OF GROUND WATER MONITORING DATA (2003 TO 2004)

CHELSEA SANDWICH, LLC
NPDES PERMIT NO. MA0003280

## GeoLabs, Inc.

### **Environmental Laboratories**

### LABORATORY REPORT

PREPARED FO	R:
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Chelsea Terminal 11 Broadway Chelsea, MA 02150

Attn: Ashwin Patel

PROJECT ID:

Remedial System

Chelsea

**GEOLABS CERTIFICATION #:** 

M-MA015

**SAMPLE NUMBER:** 

148357

**DATE PREPARED:** 

May 4, 2004

PREPARED BY:

Christine Johnson

**APPROVED BY:** 

Jim Chen, Laboratory Director

Location: 45 Johnson Lane

Braintree, MA 02184

Phone: (781) 848-7844

1 of 6

Fax: (781) 848-7811

### GeoLabs, Inc. **Environmental Laboratories**

CLIENT NAME:

**CHELSEA TERMINAL** 

SAMPLE TYPE:

**GROUNDWATER** 

COLLECTION DATE: 04/27/04 REC'D BY LAB:

04/27/04

COLLECTED BY:

**CLIENT** 

PRESERVATIVE:

**SULFURIC ACID** 

PROJECT ID:

REPORT DATE:

05/04/04

ANALYZED BY:

CG

**ANALYSIS DATE:** EXTRACTION DATE: 04/28/04

04/29/04

**TOTAL PETROLEUM HYDROCARBONS** 

SAMPLE **NUMBER** 

**SAMPLE** LOCATION

TPH (mg/L) **DETECTION LIMIT** (mg/L)

REMEDIAL SYSTEM

148357

REMEDIAL SYS.

ND

0.20

ND = NOT DETECTED

Method Reference:

**EPA Method** 

8100 (1)

Modified

1) U.S. EPA Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, SW-846, 1986, 3rd Edition.

# GeoLabs, Inc. Environmental Laboratories

CLIENT NAME:

**CHELSEA TERMINAL** 

SAMPLE TYPE:

**GROUNDWATER** 

COLLECTION DATE: REC'D BY LAB:

04/27/04

COLLECTED BY: PRESERVATIVE:

04/27/04 CLIENT

HYDROCHLORIC ACID

PROJECT ID:

REMEDIAL SYSTEM

REPORT DATE: ANALYZED BY:

ZYZ

ANALYSIS DATE:

04/29/04

5.00

5.00

05/04/04

EXTRACTION DATE:

N/A

### **VOLATILE AROMATIC COMPOUNDS**

SAMPLE NUMBER: SAMPLE LOCATION:

148357 REMEDIAL SYS.

**RESULTS DETECTION LIMIT**  $(\mu g/L)$  $(\mu g/L)$ Naphthalene ND 20.0 Methyl tert-butyl ether ND 5.00 Benzene ND 5.00 Toluene ND 5.00 Chlorobenzene ND 5.00 Ethylbenzene ND 5.00 **Xylenes** ND 5.00 1,2-Dichlorobenzene ND 5.00

### ND = NOT DETECTED

### **Method Reference:**

1,3-Dichlorobenzene

1,4-Dichlorobenzene

**EPA Method** 

602 by 624 (1) GC/MS

ND

ND

<sup>1)</sup> Code of Federal Regulations 40 CFR, Parts 100-149, 1993.

### GeoLabs, Inc. **Environmental Laboratories**

CLIENT NAME:

**CHELSEA TERMINAL** 

PROJECT ID:

REMEDIAL SYSTEM

SAMPLE TYPE:

GROUNDWATER

REPORT DATE:

05/04/04

COLLECTION DATE: 04/27/04 REC'D BY LAB:

04/27/04

ANALYZED BY:

RD

**COLLECTED BY:** 

CLIENT

ANALYSIS DATE:

04/29/04 EXTRACTION DATE: 04/28/04

PRESERVATIVE:

N/A

### POLYNUCLEAR AROMATIC HYDROCARBONS

**SAMPLE NUMBER: SAMPLE LOCATION:** 

148357 REMEDIAL SYS.

	RESULTS (μg/L)	DETECTION LIMIT (μg/L)
Naphthalene	ND	0.750
2-Methylnaphthalene	ND	0.750
Acenaphthylene	ND	0.250
Acenaphthene	ND	0.500
Fluorene	ND	0.500
Phenanthrene	ND	0.500
Anthracene	, ND	0.500
Fluoranthene	ND	0.500
Pyrene	ND	1.25
Benz[a]Anthracene	ND	0.500
Chrysene	ND	0.500
Benzo[b]Fluoranthene	ND	0.500
Benzo[k]Fluoranthene	ND	1.00
Benzo[a]Pyrene	ND	0.200
Indeno[1,2,3-Cd]Pyrene	ND	0.500
Dibenzo[a,h]Anthracene	ND	0.500
Benzo[g,h,i]Perylene	ND	1.00

### ND = NOT DETECTED

### **Method Reference:**

EPA Method

8270C (1)

1) U.S. EPA Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, SW-846, 1998 3rd Edition.

### GEOLABS, INC. 45 JOHNSON LANE BRAINTREE, MA 02184 M-MA015

### **LIMITATIONS & EXCLUSIONS**

All the professional opinions presented in this report are based solely on the scope of work conducted and sources referred to in our report. The data presented by GeoLabs in this report was collected and analyzed using generally accepted industry methods and practices at the time the report was generated. This report represents the conditions, locations and materials that were observed at the time the work was conducted. No inferences regarding other conditions, locations or materials, at a later or earlier time may be made based on the contents of the report. No other warranty, express or implied is made.

This report was prepared for the sole use of our client. Portions of the report may not be used independent of the entire report.

All analyses were performed within required holding times, in accordance with EPA protocols and using accepted QA/QC procedures. All QA/QC meets acceptable limits unless otherwise noted. The information contained in this report is, to the best of my knowledge, accurate and complete.

Any and all subsequent pages of this report are chain(s) of custody.

7,7,7,1,14,14,14,14,14,14,14,14,14,14,14,14,1	Turnaround Time  RUSH: 24hirs STANDARD: 48hirs 5 Days V 72hirs Rush Approved By:									PECIA	L III		TION	S		
Project Number: GW/5td. Remedial Sup Project Location: CHECSED  Purchase Order #: VERBAL Collected By: AP									NAI V	ece i	EOU	ESTE		<del></del>		
T Y P E	Q U A N T	M A T R ! X	C O M P	G R A B	P R E S	GEOLABS SAMPLE NUMBER	BTER	MTBE	4	1	Naphten				TEMPERATURE	L A B P H
V A	2 2	GW		Δ		)4835 <sup>-</sup> /	V	V	V	<i>V</i>	·				1,6	
ter $1 = HCI$ $7 = ICE$ $1 = HO_3$ $1 = H_2SO_4$ $1 = H_2S_2O_3$ 1 = 1 = 1 = 1 = 1 = 1 = 1 = 1 = 1 = 1 =				Relinquished By:  Relinquished By:	4/2	7/8/y	1 1	Received By: Date/Time:  Received By: /27(4)  Received By GeoLabs: /3(4)						y		
	Proje Purch Colle  CONT T Y P E	Project Local Purchase Collected E	Project Location:  Purchase Order #: Collected By:  CONTAINER  T Q M Y A R E T X  V Z W A Z '' A Z '	Project Location: Character Collected By: A  Container  T Q M C O M C O M C O M M C O M M M M M M M	Project Location: CHEC  Purchase Order #: Collected By:  CONTAINER  T Q M C G R M A	Project Location: CHECSEL  Purchase Order #: Collected By:  CONTAINER  T Q M C G P R R M A E R M A E R P B S  V Z GW V A C G P B S  V Z GW V A C C G P C C C C C C C C C C C C C C C C	Project Location: CHECSED  Purchase Order #: VERMAL  Collected By:  T Q M C G P GEOLABS  SAMPLE  NUMBER  T X P B S NUMBER  V Z GW V V V V V V V V V V V V V V V V V V	Project Location: CHECSED  Purchase Order #: VERMAL  Collected By:  T Q M C G P GEOLABS SAMPLE NUMBER  T X P B S  V Z GW V  A Z " V V V V V  A Z " V V V V V V V V V V V V V V V V V V	Project Location: CHCSGD  Purchase Order #: VC12434L  Collected By:  CONTAINER  T Q M C G P GEOLABS SAMPLE NUMBER  V Z GW V  A Z W V  A Z W V  A Z W V  A Z W R  PRESERVATIVE CODES:  er 1 = HCl 7 = ICE 2 = HNO <sub>3</sub> ter 3 = H <sub>2</sub> SO <sub>4</sub> 4 = Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub> T S NaOH  Relinquished By:  Relinquished By:	Project Location: CHCSGD  Purchase Order #: VC234L  Collected By:  T Q M C G P GEOLABS SAMPLE NUMBER  T V A R M A E NUMBER  V Z GW V V V  A Z W V V V  A Z W V V P  PRESERVATIVE CODES: er 1 = HCl 7 = ICE 2 = HNO <sub>3</sub> ter 3 = H <sub>2</sub> SO <sub>4</sub> 4 = Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub> T SAMPLE NUMBER  Relinquished By: Relinquishe	Project Location: CHCLSCA  Purchase Order #: VCCCSAL  Collected By:  T Q M C G P GEOLABS Y A T O R R SAMPLE NUMBER D D D D D D D D D D D D D D D D D D D	Project Location: CHECSER  Purchase Order #: VECUSAL Collected By:  T Q M C G P GEOLABS SAMPLE NUMBER  V Z GW V V V V V V V V V V V V V V V V V V	Project Location:  CHCLSGD  Purchase Order #: Collected By:  CONTAINER  T Q M C G P GEOLABS SAMPLE NUMBER  F N I P B S NUMBER  V Z W V V V V V V V V V V V V V V V V V	Project Location: CHCSGA  Purchase Order #: VCC25AL  Collected By:  ANALYSES REQUESTE  CONTAINER  T Q M C G P GEOLABS SAMPLE NUMBER  T U A R M A E NUMBER  V Z GW V  A Z " V VOS35 V V V V V A Z GW V V V V V A Z GW V V V V V A Z GW V V V V V V A Z GW V V V V V V V V V V V V V V V V V V	Project Location:  CHECKER  Purchase Order #:  Collected By:  ANALYSES REQUESTED  ANALYSES REQUESTED  CONTAINER  T Q M C G P GEOLABS SAMPLE P N R M A E NUMBER  V Z GW V  A Z '' V V V V  A Z GW V  A Z '' V V V V V  A Z '' V V V V V V V V V V V V V V V V V	Project Location:  CHECSEA  Purchase Order #: Collected By:  ANALYSES REQUESTED  CONTAINER  T Q M C G P GEOLABS SAMPLE P N R M A E NUMBER  E T X P B S NUMBER  V Z GW V V W W W W W W W W W W W W W W W W

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